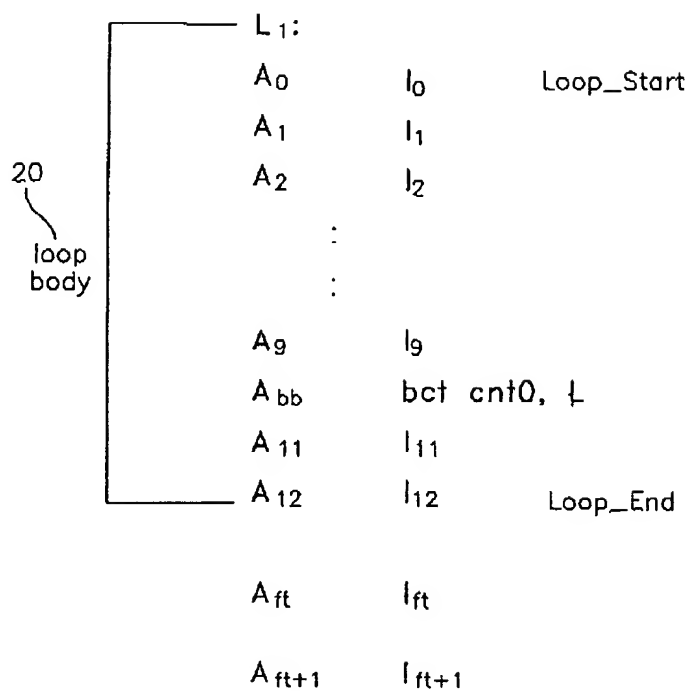


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*FIG. 1a*

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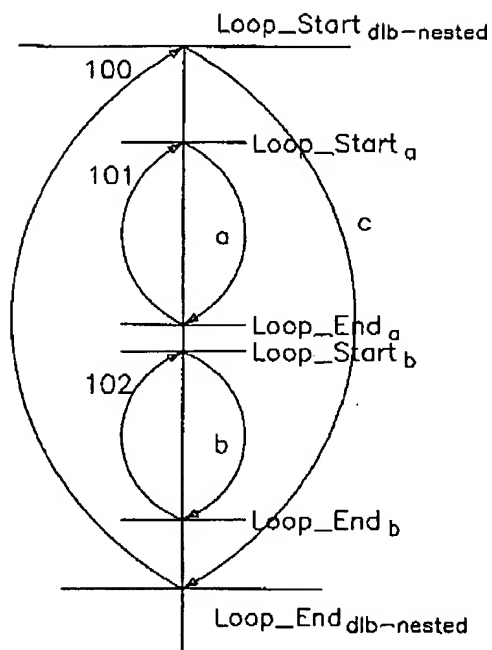


FIG. 1b

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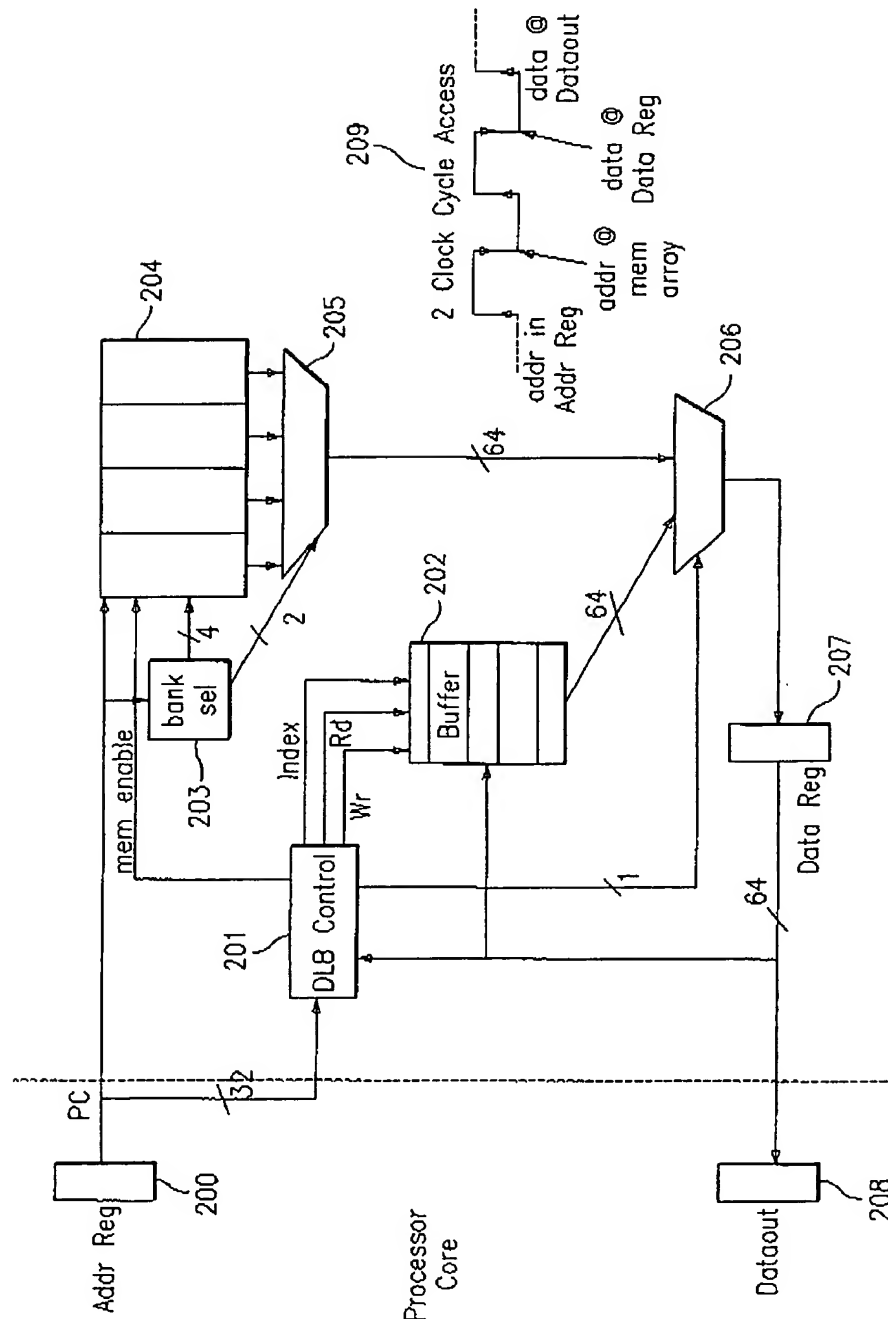


FIG. 2a

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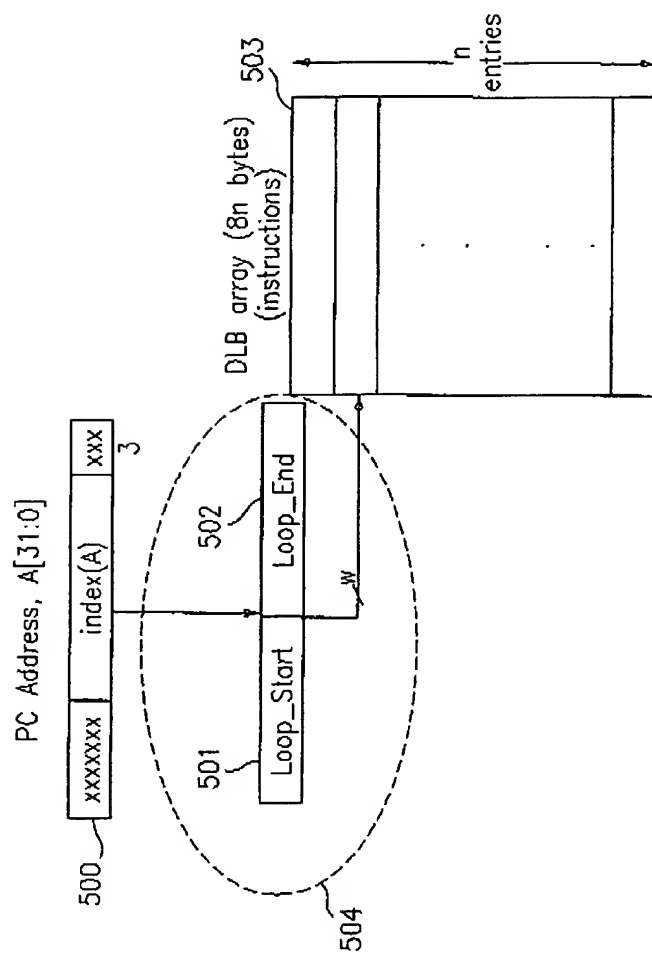


FIG. 2b

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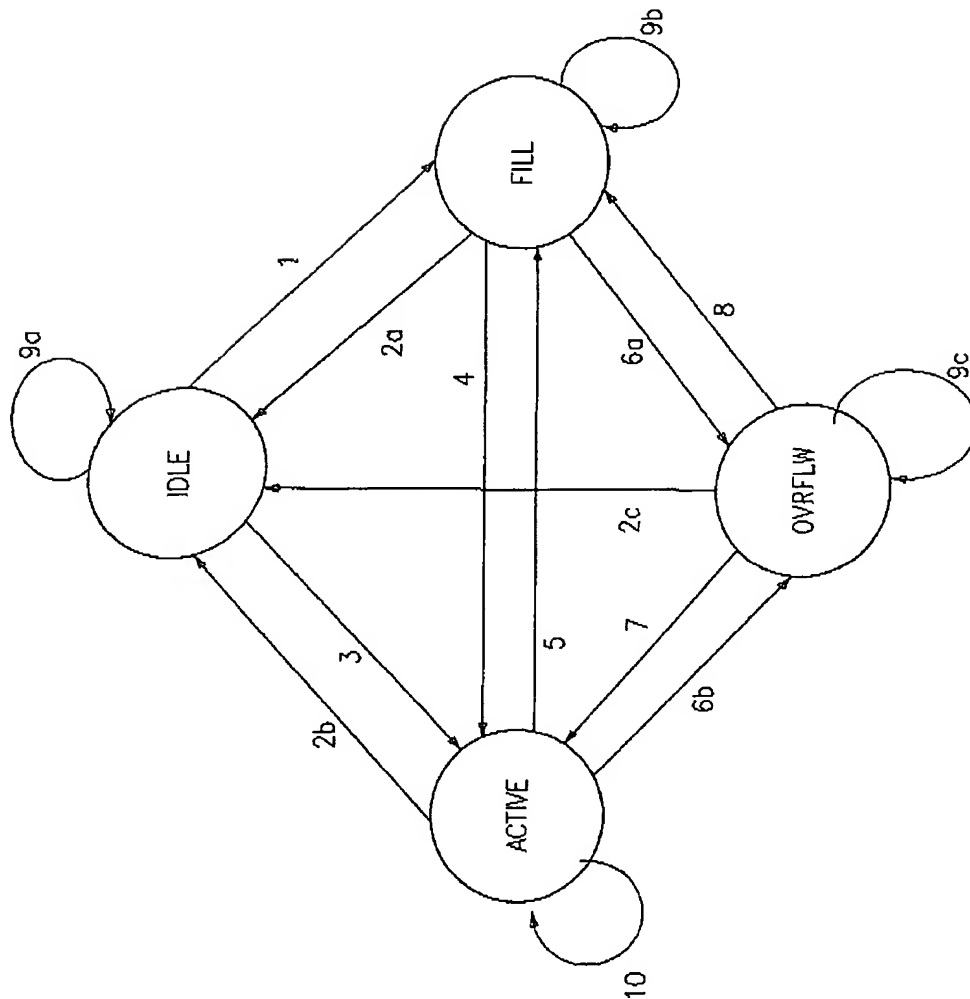


FIG. 3a

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ID	From - To	Condition
1	I-F	[(backward branch (bb) detected & taken)    (move within loop range & entry invalid)]
2a 2b 2c	F-I A-I O-I	[(bb not taken)    (another cof causes move outside loop range)]
3	I-A	(move into loop range & entry valid)
4	F-A	[(bb is taken again)    (another indented bb is taken)] & (entry valid)
5	A-F	[(resume filling rest of loop)    (move within loop range & entry invalid)]
6a 6b	F-O A-O	(end of physical loop buffer reached)
7	O-A	[(cof caused within loop range)    (bb detected and taken again)] & [(next_data within buffer range) & (entry valid)]
8	O-F	[(cof caused within loop range)    (bb detected and taken again)] & [(next_data within buffer range) & (entry invalid)]
9a 9b 9c	I-I F-F O-O	(no cof)
10	A-A	(no cof) & (entry valid)

FIG. 3b

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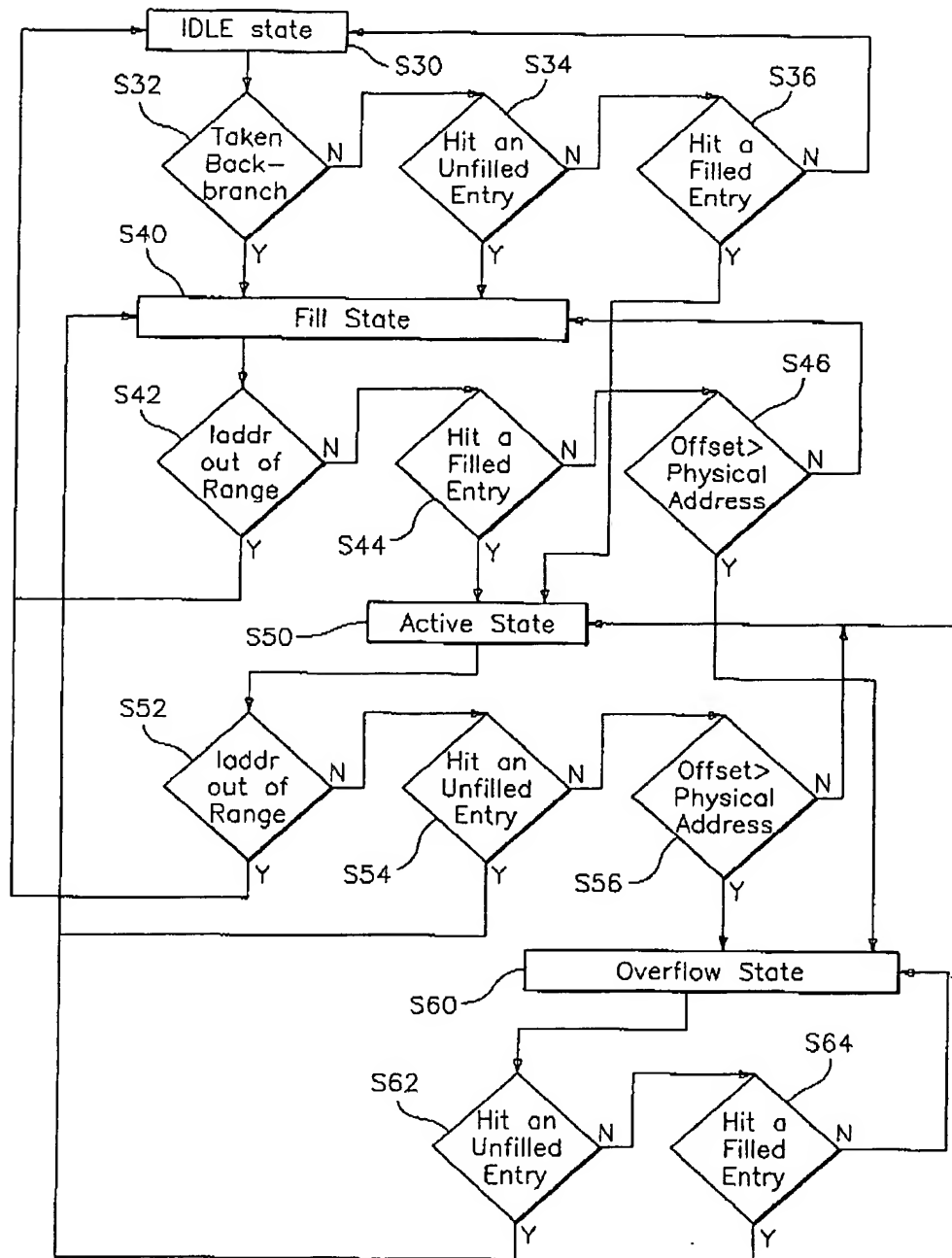


FIG. 4